ABSTRACT OF THE DISCLOSURE

A technique for end-to-end admission control of real-time packet flows is disclosed. In one particular exemplary embodiment, the technique may be realized as a method for end-

5 to-end admission control of real-time packet flows in a network having a plurality of network elements. The method may comprise transmitting at least one probe packet from a first network element to a second network element via a network path, determining, at at least one intermediate network element on the

10 network path, at least one flow rate associated with a plurality of packets, marking at least one predetermined bit in the at least one probe packet if the at least one flow rate is greater than a predetermined rate, and controlling an admission of additional packets into the network based at least in part on

15 the marking of the at least one predetermined bit in the at least one probe packet.